7095

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

B-1870-1 (1



DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-7095

Field No.PA 025146

State			SOUT	THEASTERN ALASKA			
General locality	•		DAVI	DSON INLET			
Locality			EDNA	BAY	***************************************		
Scale1	:2,500			Date of survey	May 1946	***************************************	
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				?ON			
				. Crosby			
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#### DESCRIPTIVE REPORT TO ACCOMPANY

SHEET PA-025146 H-7095(1946)

EDNA BAY - S. E. ALASKA

MAY 1946 - SCALE 1:2,500

SHIP PATTON

K. G. CROSBY, CMDG.

#### PROJECT:

The survey was made in accordance with Instructions dated 27 March 1946, Project CS-324.

#### SURVEY LIMITS AND DATES:

The area covers the inshore hydrography of the western part of Edna Bay. The purpose of the large scale is for pier deH-1098(1946)
velopment. The sheet joins the contemporary sheet PA-05116, scale
1:5,000.

The sounding was begun on May 8 and completed May 31, 1946. VESSEL AND EQUIPMENT:

A small 20' motorboat was used in the tagline survey and for close inshore work using the handlead. For the remainder of the work, a fifty foot cabin cruiser equipped with an 808 Depth Recorder was used.

The boats operated from the Ship PATTON alongside the wharf.

#### TIDE STATION:

A tide station was maintained at the wharf on the western side of Edna Bay, Lat. 55° - 5%. Long. 133° - 39'. 8 for the reduction of soundings.

#### SMOOTH SHEET:

The smooth sheet is to be constructed and plotted by the Seattle Processing Office.

#### CONTROL STATIONS:

All triangulation stations were established in 1946 by - this party.

Topographic stations and tagline stations were located by graphic control on Sheets Pa-B-46 and PA-C-46.

# SHORELINE AND TOPOGRAPHY:

The shoreline is taken from Sheets PA-B-46 and PA-C-46.

The offlying rocks and reefs are delineated on Sheets Pa-A-46 and T-7023 b
PA-B-46.

#### SOUNDINGS:

Soundings were obtained by the 808 Depth Recorder and handlead using standard procedures. Soundings were recorded in feet and tenths.

Serial temperatures and salinities for velocity corrections were observed at the entrance to Edna Bay on June 6, 1946. (See special report on Velocity Correction).

#### CONTROL OF HYDROGRAPHY:

A large pier is contemplated along the escarpment in the vicinity of Edna Bay Inner Light, making a tagline survey of this area desirable for better control than sextant fixes offer.

Twenty meter intervals were marked off along the escarpment using a point directly below the Light as an origin. These
stations were marked by white crosses and extended fourteen north
and twenty-two south of origin. These points were then located by

the plane table and indicated on the sheets by small red circles.

In sounding, the zero of the tagline was held at each of these points and the boat held on line by a sextant observer stationed at the point. Previous to starting the day's work, an angle was scaled from the boat sheet between the direction of each line and signal WAD. This angle was set on the sextant.

At station 22, the lines were "fanned" to the right at 5° / increments.

For development, the lines were split at points midway be-

For a check on the accuracy of the method, the position of the boat was determined at 100 foot intervals by rod readings from a plane table set—up. The sea was exceptionally smooth during the periods sounded so that the stadia rod could be easily read.

These positions were left in pencil on Sheet PA-C-46 to be transferred to the smooth sheet.

As the plane table positions of the boat agreed with those plotted by direction and distance, the plane table was not used for the tagline survey in the vicinity of the wharf in the western part of the bay on May 14th, "e" day.

For the remainder of the work, three point sextant fixes were used.

#### ADEQUACY OF SURVEY:

The survey is adequate for the area covered. However, as it is contemplated to berth large vessels at a proposed pier in the vicinity of Edna Bay Inner Light, wire dragging the channel might be given consideration, especially the five fathom shoal at Lat. 55° - 56'.40, Long. 133° - 38'.20.

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H-7098 (1946)

The junction with Sheet PA-05146 is satisfactory in regard to soundings and depth curves.

#### CROSSLINES:

Six percent., cross lines were run with satisfactory 
crossings.

#### COMPARISON WITH PREVIOUS SURVEYS AND CHART:

The area is covered on Sheet H-2732, 1904, scale 1:20,000. As chart No. 8171 is compiled from the above sheet, a comparison with  $\checkmark$  the present survey applies equally to both.

Fifty soundings on Sheet H-2732 cover the area of the present survey, which are substantially in agreement, as well as the offlying rocks and reefs.

Additional shoals and reefs were developed on the present survey falling within blank areas of Sheet H-2732.

#### DANGERS AND SHOALS:

Edna Bay Buoy N 2 marks a shoal of 9 feet at MLIW that is  $\sim$  9 ft. appears enchart as  $1\frac{1}{2}$  fms charted as 5-3/4 fms. at Lat. 55°56.50 Long. 133°38.85' (hand correction)

A shoal with a least depth of 10 feet at MLIW lies in the Par. 5, Review middle of the channel leading to the present wharf. The shoal is located at Lat. 55° - 56'.62, Long. 133° - 39'.40.

An offlying shoal with a least depth of 8 feet at MLIW 8 ft. appears on chart as 14 fms.

7
lies at Lat. 55° - 56'.35, Long. 133° - 38'.45.

The above shoals were verified with the handlead.

## WHARE:

The wharf located at Lat. 55° - 56.90, Long. 133° - 39'.62 is used for supplying the construction camp of the Alcoa Mining Co. 
The controlling depth along the face of the wharf is 13 feet at the

southern northern end at MLLW.

Fresh water is available at the wharf.

# MISCELLANEOUS:

See Descriptive Report of Sheet PA-05146, for Coast Pilot Information, Aids to Navigation, Landmarks for Charts and Geographic Sty

Submitted by

14. 7. Muler H. F. Garber

Lt. Comdr., USC&GS

# FATHOMETER CORRECTIONS H-7095(1946) SHEET - PA-0251146

# EDNA BAY, ALASKA

# 28 May 1946 Through 31 May 1946 "a" day - "c" day

CORRECTION (Ft.)		DEPTH (Ft.)
	"A" SCALE	,
+0.8		0.0 - 12.0
+0.6		12.1 - 45.5
+0.4		45.6 - 55.0
<b>,</b>	"B" SCALE	
+1.8		35.0 - 45.5
+1.6		45.6 - 60.2
+1.4		60.3 - 71.5
+1.2		71.6 - 82.9
+1.0		83.0 - 90.0
	"C" SCALE	
+0.8		70.0 - 77.0
+0•6		77.1 - 88.5
+0.4	•	88.6 - 101.0
+0.2		101.1 - 113.5
0.0		113.6 - 126.0

INITIAL CORRECTION

"b" Day

Pos. 164 - 176 -0.5 ft.

H-7095(1946) STATISTICS FOR HYDROGRAPHIC SURVEY SHEET PA-025146(Field No.)

# USC&GSS PATTON - PROJECT CS-324

DATE	Vol. No.	Day Ltr.	H.L. Sndgs.	Pos.	St. Mi.	Boat Used	Remarks	
5/28/46	3	a	0	17	0.5	KLAHINI	Remarks	
5/29/46	3	ъ	ı	319	24.1	11		
5/31/46	3 & 4	C	11	233	17.0	11		
5/8/46	1	a	536	108	2.0	Runabout	Tagline	
5/9/46	ı	ъ	567	11/4	2.3	n .	n	
5/10/46	1	С	378	88	1.3	п	11	
5/11/46	. <b>1</b>	d	190	45	0.7	11	n	
5/14/46	1	e	<b>3</b> 30	10	1.1	и	n	•
5/20/46	2	f	262	68	2.8	tt .		
5/21/46	2	g	73	19	0.8	11		
Tot	als:		2348	1021	52.6			

Area in square statute miles: 1.6

#### APPROVAL NOTE

The hydrography on this sheet was executed under my direct supervision.

The sounding records and boatsheet have been examined and approved by me. Sounding records and the boat sheet were inspected daily during the survey. It is my opinion that the survey is adequate and no additional survey is required

Except for wire dragging as

The smooth sheet is to be constructed and plotted by the Seattle Processing Office with tidal data supplied by the Washington Office.

Kenneth G. Crosby Lt. Comdr., C&GS Cmdg., Ship PATTON No. PA 025146 H-7095 (1946)

Edna Bay

Davidson Inlet

## Smooth Sheet-

Projection is hand made on Whatman Paper.

The elevation of rocks which appear in black ink, between parentheses, on PA-A-46 and PA-B-46 are regarded as heights above MLIW and have been underlined on the smooth sheet. The topographic sheets remain unchanged, but such elevations should be underscored thereon after inspection.-done-6.54.

The ledge awash at minus tides shown on the topographic plate at 55° 5617 Longitude 133° 38195 is sketched too large as indicated by soundings 151-152b. Pelimited from hydro-664.

The tag lines shown on topo plate PA-C-46, where they were located by plane table and stadia, were transferred to the smooth sheet as intended by the field party on page 3 of this report.

Time was entered in the sounding record at the start and finish of each tag line. It has been presumed that soundings were made at equal intervals of time, and the time of change of tide reducers was interpolated on this assumption.

The 10.6 ft. sounding in Vol. I, page 49, at 14:07:00—
This sounding is inferred, from the time and its position in the sounding record, to be the least depth on the shoal 245 M. north of Edna Bay Inner Light and 120 M. east of station ALCOA 1946. No plottable position is indicated, but it is suggested that it be substituted for the 11 foot sounding at that point.

Concurrin use of 10 for least depth obtained See page 4 of Desc. Report

#### Layout of Camp-

A print showing the camp of the Alcoa Mining Co., scale 1" to 40", ~ accompanies the smooth sheet. (Not on file)

#### Priority-

As instructed, these sheets have been given top priority since their receipt. The second sheet in Edna Bay will follow promptly.

# TIDAL NOTE TO ACCOMPANY SHEET PA-025146 H-7095(1946)

# Edna Bay - Kosciusko Island Southeastern Alaska

Edna Bay Tide Gage, on wharf in western part of Edna Bay Lat. 55° 56192 Longitude 133° 39162

A portable automatic tide gage was maintained continuously from April 30 to June 5, 1946 inclusive.

An assumed value of 4.1 feet on the tide staff as MLLW was used for reducing soundings on the boat sheet.

For the smooth sheet the staff reading of MLLW is 4.2 ft. per Director's letter 36-tmo of 3 July 1946.

# H-7095(1946) PA 025146 - Edna Bay

# Geographic Names Penciled on the Smooth Sheet

Kosciusko Island Edna Bay

Respectfully submitted,

Edgar E. Smith
Cartographic Engineer
Seattle Processing Office

VELOCITY CORRECTIONS

EDNA BAY, DAVIDSON INLET, ALASKA

USC&GSS PATTON * PROJECT 321

KENNETH G. CROS BY * CHIEF OF PARTY
1916

#### COMPUTATIONS FOR VELOCITY CORRECTIONS

#### EDNA BAY, ALASKA

#### MAY 1946

Velocity corrections for the "808" Fathometer used on the Edna Bay Project were arrived at by a combination of bar checks and temperature and salinity corrections.

The "808" "fish" was set at a depth of 2' 9" for "a" - "f"

H-7098(1946)

days inclusive on Sheet 05146. Due to poor echo returns, the units

were lowered to 4' 0" where much better results were obtained.

Bar checks were taken in fathoms at the 2, 5, and 10 fathom depths. Bar checks in feet were taken at 12, 30, and 48 foot depths for "A" scale; at 48 feet for "B" scale; and a bottom comparison was made between "B" and "C" scales at a depth of 90 feet for the "C" scale correction.

Two fathometers, Nos. 74 and 74-S, were used and as both gave consistently equal bar check corrections, the bar checks for the entire work were averaged, obtaining a mean correction curve for fathoms and a mean correction curve for feet.

Temperature and salinity velocity corrections were used for depths extending beyond the range of the bar checks. These corrections were obtained by the standard graphic method described in Field Memorandum No. 2-1941.

Graphs were made of the mean bar check corrections and the temperature and salinity velocity curve was then made to intersect the last point of the bar check curve at the corresponding depth and extended to cover the range of depth sounded in the area.

DEPARTMENT OF COM' NCE U. S. Coast and Geoderic VEY Form No. 117 Rev. Dec. 1938

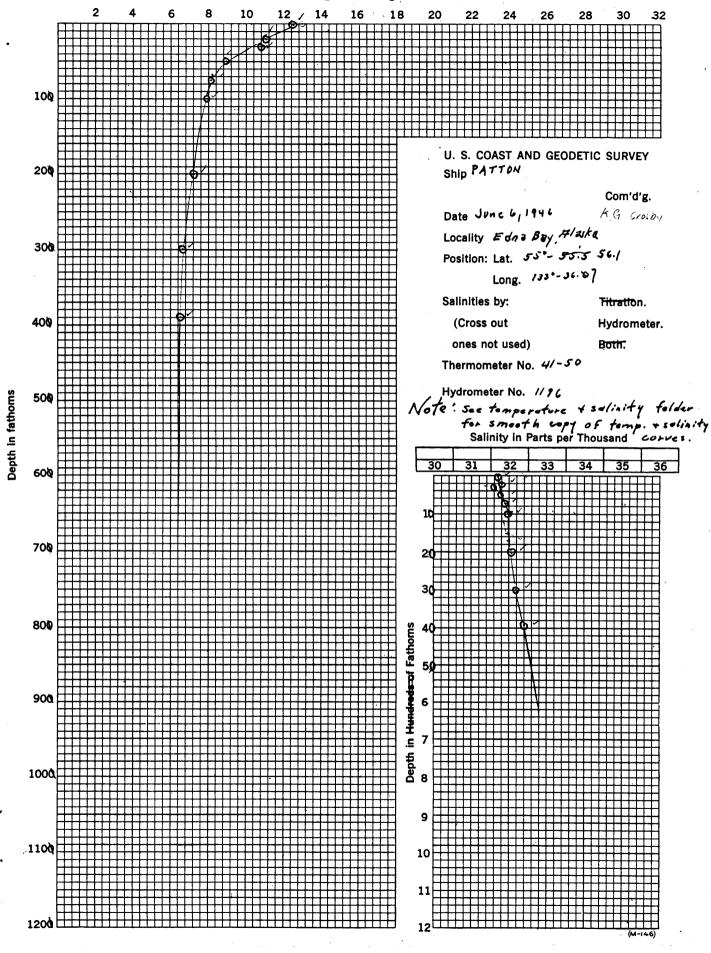
SHEET NO.

# RECORD OF TEMPERATURES, SALINITIES, AND THEORETICAL VELOCITIES

Loca	Locality		Edna Bay			Project_		CS-324				Sur	Survey No.			
Date	Time	Latitude and	# Do-14	TEMP. AT DEPTH	DEPTH	SPECIFIC GRAVITY	vìty	AT TEMP.	+ Colinita	Velocity	CORRECTIONS		elocity [7]	Therm. B	Hydro.	Remarks
19 16	120 mer.	longitude	ndər	Obs.	Cor.	Obs.	Cor.	Obs. Cor.	1 Seminty	at temp.	Bal.	Pres. (th	(theoretical)	No.	No.	(weather, bottom, etc.)
	h. m.	7		<i>2</i> °	2.	2 (3)		2° 2°	\$	M./Sec.	M./Sec. N	M./Sec.	M./Sec.			drk gn M & sml
	C In EC	133 - 36.7	7.9	3		Terrain.		) equ	7. m				3-3	13-50	LIX SE	Find: South-3
	34.13		30	9.9		3,0246		20.5	32.2							Beather: Clear
	24,17,130	2	શ	7.2		1.0265		10.5	32.1							Sea: Choppy
	14:22:00	8	Я	7.9		1.024h		30.5	32.0							Cup thermos-
	1/130100	8	7.5	2		1.0214		101	37.9							etar fysolyss NRS 68621
	34,266.15	, v	W	8.9		1.0243		10.7	33.8							
	14:38:30	0	m	10.8		Odgo-L		ns	31-6							
	11,131,100	8	2	n.		0770-1		12.3	31.8							
			Surface	12.5		1.0239		12.5	37-72							
Ĭ.	Janth records	Transh mooneded in bottom indicate thus 085 B	1 200 101		1	-	-							1	-	

# GRAPH OF WATER TEMPERATURES AND SALINITIES

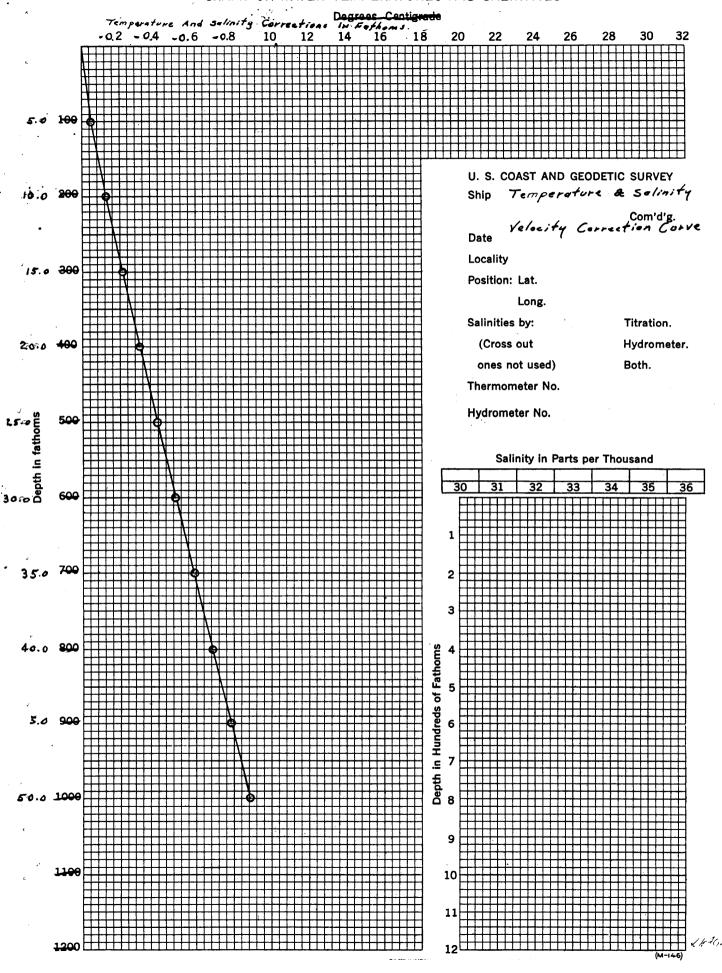
Degrees Centigrade



# TEMPERATURE AND SALINITY VALUES USED TO DETERMINE VELOCITY CORRECTION FROM VELOCITY CORRECTION GRAPH BY GRAPHIC METHOD

PLOT	TAKE OFF	TEMPERATURE	SALINITY	
5.0	2.5	10.8	31.7	
10.0	<b>7.</b> 5	8.1	31.9	
15.0	12.5	7•7	32.0	
20.0	17.5	7-3	32.0	
25.0	22.5	7.0	32.1	•
30.0	27.5	. 6.8	32.1	
35.0	32.5	6.6	32•2	
40.0	37.5	6.6	32.3	
45.0	42.5	6.5	32.4	
50.0	47.5	6.5	32•5	

#### CRAPH OF WATER TEMPERATURES AND CALINITIES



# FATHOMETER CORRECTIONS

H-7018 (1946) SHEET - PA-05116

# EDNA BAY, ALASKA

## PERIOD 1

# 14 May 1946 (a day) Through 24 May 1946 (f day)

CORRECTION								DEPTH
(Time.)								(Fms)
+0.3	-	 -	 -			-	-	0 - 0.4
+0.2	-	 -	 -				-	0.5 - 3.5
+0.1	•	 -	 -		-		-	3.6 - 7.5
0.0	-	 -	 -			-	-	7.6 - 12.8
-0.1	_	 -	 				_	12.9 - 18.8
-0.2	-	 _	 				-	18.9 - 24.0
-0.3	-	 -	 				-	24.1 - 29.4
-0.4	-	 	 	-			-	29-5 - 35-0
-0.5	-	 -	 -				-	35-1 - 39-6
-0.6	-	 -	 				-	39.7 - 45.0

# PERIOD 2

# 27 May 1946 (g day) Through 28 May 1946 (h day)

CORRECTION (Fms.)	-												DEPTH (Fms)
(FMS.) +0.5													
+0-4													
+0.3													13.9 - 20.0
+0.2													20-1 - 25-0
+0.1	_	_	-	_	_	_	-	-	_	_	_	-	25-1 - 30-5
0.0	-	_	_	-	_	-	-	-	-	-	_		30.6 - 35.8
-0.1	_		-	_	_	-	_	_	_	_	_	_	35.9 - 40.4
-0.2	-	_	-	_	_	_	-	_	_	-	_	-	40.5 - 46.0

# INITIAL CORRECTION

"o" Day

Pos. 23 - 33 -0.3 fms.

## FATHOMETER CORRECTIONS

SHEET - PA-025116

EDNA BAY, ALASKA

# 28 May 1946 Through 31 May 1946

man day - men day

CORRECTION (Ft.)		DEPTH (Ft.)
	MAM SCALE	
+0.8		0.0 - 12.0
+0.6		12.1 - 45.5
+0.4		45.6 - 55.0
	"B" SCALE	
+1.8		35.0 - 45.5
+1.6		15.6 - 60.2
+1.4		60.3 - 71.5
+1.2		71.6 - 82.9
+1.0		83.0 - 90.0
	"C" SCALE	
+0.8		70.0 - 77.0
+0.6		77.1 - 88.5
+0•11		88.6 - 101.0
+0.2		101.1 - 113.5
0.0		113.6 - 126.0

INITIAL CORRECTION

- npu Day

Pos. 164 - 176 -0.5 ft.

GEOGRAPHIC NAMES Survey No. H-7095	/ci	not la	india de la companya del companya de la companya del companya de la companya de l	S. Mada de la constante de la	e look just	Mars No.	Cajide of W	Son Merely H	S. Jaker	
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Davidson Inlet		16	49							2
Edna Bay				(10	entic	nof	tide	sta	tt)	3
Kosciusko Island			,	•					•	4
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# Hydrographic Surveys (Chart Division)

# HYDROGRAPHIC SURVEY NO. H-7095...

Records accompanying survey:	
Boat sheets .1; sounding vols.4; w:	ire drag vols;
bomb vols; graphic recorder rolls	.2;
special reports, etc	••••••
••••••	••••••
The following statistics will be submitted wit rapher's report on the sheet:	th the cartog-
Number of positions on sheet	1021
Number of positions checked	41
Number of positions revised	
Number of soundings revised (refers to depth only)	27
Number of soundings erroneously spaced	
Number of signals erroneously plotted or transferred	<i>o</i>
Topographic details	Time
Junctions	Time
Verification of soundings from graphic record	Time .40
Verification by .D.B	114hrs Date 12-17-46
Reviewed by T.a. Simomore  J. Fordan  Time	38 hrs. Date 1-13-47

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

#### TIDE NOTE FOR HYDROGRAPHIC SHEET

Oct. 4, 1946

Division of Hydrography and Topography:

Division of Charts: H. W. MURRAY

Plane of reference approved in 4 volumes of sounding records for

HYDROGRAPHIC SHEET

7095

Locality Edna Bay, Davidson Inlet, Southeast Alaska

Chief of Party: K. G. Crosby in 1946
Plane of reference is mean lower low water, reading
4.2 ft. on tide staff at Edna Bay
12.1 ft. below B. M. 1

Height of mean high water above plane of reference is 10.0 feet.

Condition of records satisfactory except as noted below:

E.C. Milay
Section
Chief, Division of Tides and Currents.

FRENMENT PRINTING OFFICE 154327

#### DIVISION OF CHARTS

#### REVIEW SECTION - NAUTICAL CHART BRANCH

# REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 7095

FIELD NO. PA-025146

Southeastern Alaska, Davidson Inlet, Edna Bay Surveyed in May 1946 Scale 1:2,500 Project No. CS-324

Soundings:

Control:

808 Depth Recorder Hand lead

Three-point fixes on shore signals

Tagline

Chief of Party - K. G. Crosby
Surveyed by - K. G. Crosby
Protracted by - C. A. J. Pauw
Soundings plotted by - C. A. J. Pauw
Verified and inked by - D. B. Small
Reviewed by - T.A. Dinsmore and G. F. Jordan
January 20, 1946
Inspected by - H. W. Murray

# 1. Shoreline and Signals

The source of the shoreline and signals is given in the Descriptive Report. Air photographs of this area are now being compiled.(cs-369)

## 2. Sounding Line Crossings

Depths at crossings are in satisfactory agreement.

#### 3. Depth Curves and Bottom Configuration

The depth curves are satisfactory except for incompleteness in the inshore areas on the south and in the areas noted in par. 4, below.

The bottom is very irregular. Several shoals rise sharply from deep water and numerous reefs, rocks and ledges appear in this portion of the bay. In the vicinity of lat. 55° 56′ 32″, long. 133° 39′ 26″, the shoreline area descends quickly to depths of about 40 feet. A shallow narrow trench exists in lat. 55° 56′ 39″, long. 133° 38′ 45″. It is defined by the 60-foot curve and is about 300 meters in length.

# 4. Junctions with Contemporary Surveys

A satisfactory junction is effected with H-7098 (1946) except in the vicinities of lat. 55° 56' 50", long. 133° 39' 22", lat. 55° 57' 05", long. 133° 39' 25" and lat. 55° 56' 45", long. 133° 39' 20", where the junctions are incomplete.

# 5. Comparison with Prior Surveys

# H-2732 (1904) scale 1:20,000

Comparatively few soundings from the prior survey fall in the area of the present survey. Depths on the older survey are generally in fair agreement with those of the present survey. Numerous rocks, reefs and shoals disclosed by development on the present survey fall in blank areas on the prior survey.

The 1-1/4 fm. (8 ft.) sounding charted at lat. 55° 56.62', long. 133° 39.40' and falling in present depths of 10 to 11 feet, should be disregarded. Close development and drift sounding of the shoal on the present survey disproves the prior sounding and establishes a least depth of 10 feet.

The delineation of the area on the present survey is adequate and all information on the old survey may be disregarded in future charting of the entire common area.

# 6. Comparison with Chart 8171 (Latest print date of Feb. 9, 1946)

## A. Hydrography

Charted hydrography originates with the old survey previously discussed, supplemented by advance information furnished by the present survey. The latter includes critical depths that have been added to the chart by hand correction. The present survey supersedes this charted information.

# B. Aids to Navigation

The charted light at lat. 55° 56.53', long. 133° 39.43' is shown 80 meters northwest of its present survey position. This discrepancy was previously noted in Chart Letter 351 (1946).

# H-7095 (1946)-3-

The buoy at lat. 55° 56.48', long. 133° 38.85' is charted 50 meters south of the present survey position. The buoy in either position satisfactorily marks the feature intended.

The dangerous 10-ft. shoal on the present survey at lat. 55° 56' 37", long. 133° 39' 25" is unmarked.

Attention is also directed to the unmarked 30-ft. shoal discovered at lat. 55° 56' 25", long. 133° 38' 20". In the Descriptive Report of H-7098, the Chief of Party states that ships of 30-ft. draft are expected in Edna Bay.

# 7. Condition of Survey

- a. The sounding records and Descriptive Report are complete and comprehensive.
- b. The field plotting was very good.
- 8. Compliance with Project Instructions

The survey adequately complies with the Instructions.

# 9. Additional Field Work

This is an excellent basic survey and no additional hydrography is recommended, however, wire-dragging the channel is suggested by the Chief of Party on page 3 of the Descriptive Report.

In the vicinity of long. 133° 39' 20", the junction with H-7098 (1946) is incomplete. This area is considered unimportant because the approaches from the east are too treacherous for use as navigational routes.

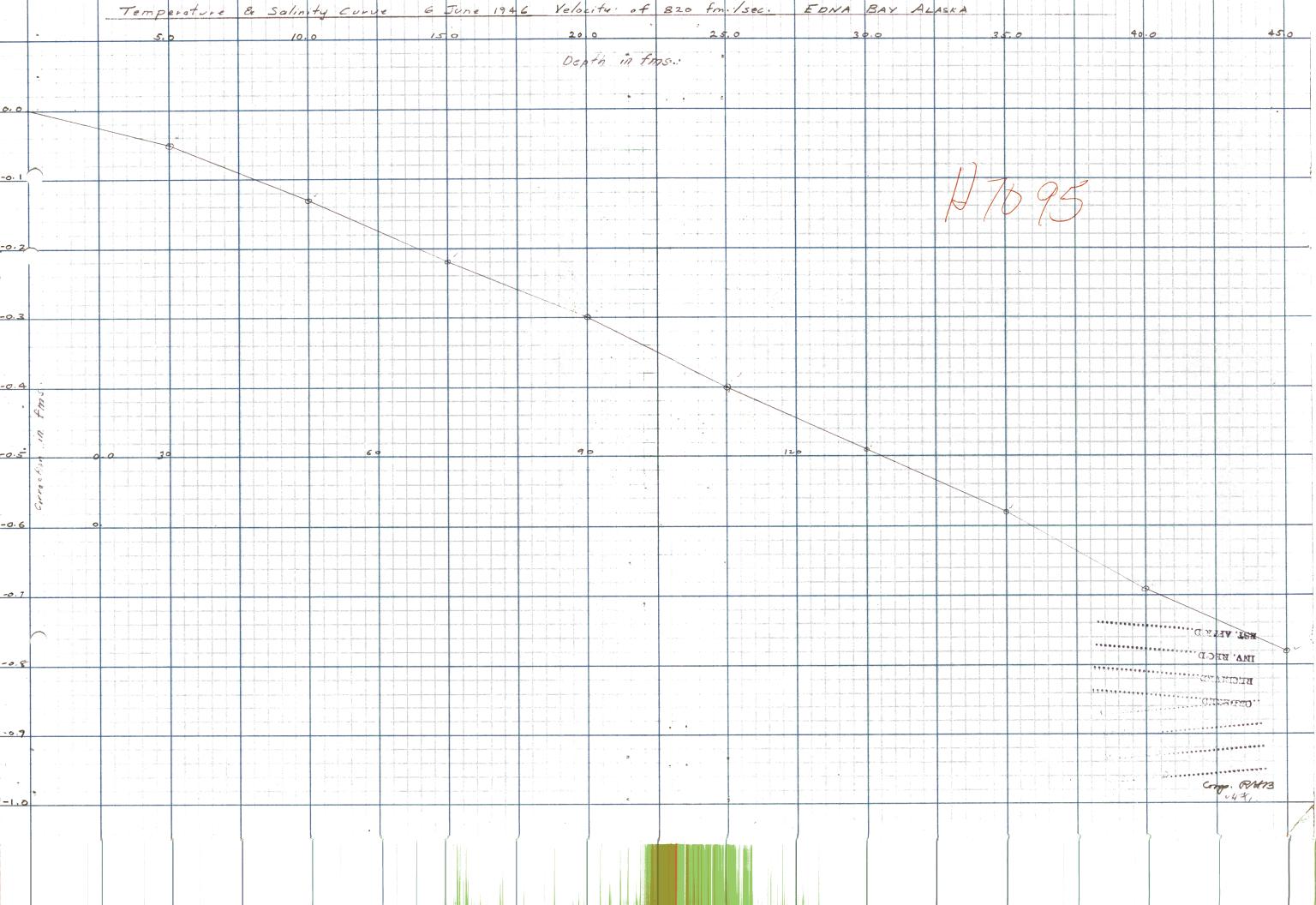
Examined and approved:

Chief, Nautical Chart Branch

Chief, Section of Hydrography

Chief, Division of Cherts

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# NAUTICAL CHARTS BRANCH

# SURVEY NO. H-7095

# Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/22/47	8/7/	La Mubam	Before After Verification and Review
4/23/47	8152	Sametann A. Melols	Before After Verification and Review
5/20/47	8 201	A. Me hots	Before After Verification and Review
8/27/47	8163 (N.C.	.) J.M.M.Alinden	Bufore After Verification and Review
2-17-60	Reconstr 8171	R.K. DELANDER	Before After Verification and Review thru Ch 8/63
April 2,1968	Inset Edna Buy 8171	JeannetteMOConnor	Perfect After Verification and Review Mire Cht 8/63  print date 6-2-52  Thru Cht 9/63  Before After Verification and Review which will be cancelled
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M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.